MD iMAP Technical Committee Meeting Minutes for September 2020

Place: On-Line Only Attendance due to COVID19 Social Distancing

Date: 09/01/2020;   Time: 1:00PM – 2:00PM

Phone Attendees: Kevin Coyne (DNR); John Lesko (DoIT); Lisa Lowe (DoIT), Conrad Schaefer (DoIT), Susan Hmel (DoIT), Darren Lloyd (DoIT), Dawn Blanchard (DoIT), J.B. Churchill (DoIT), Anthony Puzzo (ESRI), Gary Maragos (MDP), Leah Visakowitz (McCormick Taylor), Frank Siano (MDE), Rowland Agbede (MDA), Jason Keppler (MDA), Brad Wolters (DHCD), Scott Hansen (MDP), Andrew Bernish (MDOT), Craig Mackowiak (MDOT/SHA), John Wafer (MDOT) and Marshall Stevenson (MDOT/SHA), Craig Sheldon

<u>**Agenda**</u>

Introductions

Maryland Enterprise Software & MD iMAP 3.0 Update – John Lesko

- DoIT continues working to support other agencies in the response to COVID-19:
- The GIO team continues to support a COVID-19 ArcGIS Hub site to provide support to MDH during response. (visit https://coronavirus.maryland.gov/)
- GIO team continues to work with MDH, MEMA SEOC and GIS Desk for map and dashboard updates related to COVID Cases reported for the counties. MEMA has been responsible for updating daily numbers on the ArcGIS Dashboard.
- Upgrades and additions to the Hub site include the following:
- To track the Percent of the Population tested for COVID-19 by County, GIO developed this chart. The aim of the color coding is to show each County's progress in having 10% of their population tested. 24 of 24 counties have achieved the 10% level. Note that Somerset County continues to lead the Counties in the present of population tested (30.7%); Cecil County has tested 13.9% of its residents tested. This chart is updated daily.
- MDH/GIO continues to support Maryland covidLINK Community Contact Tracing Performance Measures. Contact tracing is the process of identifying people who may have come into contact with an individual with an infectious disease, in this case COVID-19. The contact tracer reaches out by phone to someone who has tested positive for the virus to determine their whereabouts and close contacts for the two-week period of time when they may have been infectious.
- GIO continues to develop a Community Contact Tracing page. Contact tracing is a public health tool professionals use to identify and help break disease transmission chains, keeping people and populations safer from disease spread. DOIT analysts plan to utilize several ESRI software products including ArcGIS Pro, ArcSurvey123 and Insights. In addition, DOIT is contracting with ESRI for professional service to assist in the development of this page.
- Contact tracing is a powerful public health tool professionals use to identify and help break disease transmission chains, keeping people and populations safer from disease spread.
- JHU covers the difficulties associated with conducting a contact tracing program. The balance of utilizing technologies (wifi, Bluetooth, ID card swiping) and personal liberties is a delicate path that needs to be carefully navigated.
- The Roadmap to Recovery Reopening the Counties has remained at Phase Two. This map will be updated as per the Governor's and County executive directives.
- School Reopening Charts; Based on the state's improving health metrics, local school systems are urged to reevaluate their modes of instruction at the end of the first quarter. MDH and MSDE have presented county-specific benchmarks to guide conversations among local officials regarding in-person instruction. They are based on metrics that, taken together, reflect the levels of community transmission, including test positivity and case rates.
- The Testing Site page has been completely redesigned. The splash page requires the user to enter an address. GIO is working with several locators to assist in more general entries such as a ZIP Code, city or a well-known feature. Once the address has been entered, the second page contains a legend and a map. The original map utilized a web app builder app -and it used the "Near Me" widget. The new map utilizes the "Near By"

application from ESRI. One of the more helpful additions for the Testing Page is the addition of various icons representing services available as each testing site. For example Cost Free, Drive Through, Online Scheduling, Appointment not required, etc… There is an option to view an "image" based map as displayed here, or a user can select to use a Bing type Roadmap for background reference.

Highlights from the 2020 Esri Use Conference– Anthony Puzzo; Esri Account Manager

- The Esri User Conference was held virtually from Monday July 13 through Thursday July 16.
- Anthony provided an overview of the conference and spent several minutes on various Esri products and processes.
- Among the products discussed include: Experience Builder, Survey 123, Hub Sites, Drones, etc.
- Time series visualizations was identified as a new feature available in Map Viewer.
- There was discussion concerning geocoding, addressing and centerlines;

MD iMAP 3.0 Update – John Lesko

- Maryland Department of Natural Resources (DNR) request to migrate to the Enterprise GIS Platform continues to progress. Further research revealed that the current database already resides in the DoIT environment. Work continues on a SOW to reflect that the DNR environment will be upgraded to version 10.7.1 and move the DNR environment to new servers within the DoIT environment.
- The Maryland Department of Planning successfully upgraded the software on their development and production servers. The servers are hosted at Tierpoint. MDP upgraded to Arcgis Server Standard (vers. 10.7 to vers 10.8) for the development environment (MDP-GIS-3) and upgraded the production server (MDP-IMAP-1) from vers. 10.3.1 to vers. 10.8.
- The Maryland Department of Transportation/State Highway Administration field crews were experiencing longer than normal system response times. The cause for the delay of ArcGIS Online was due to "forced caching". The impetus of the setting adjustment was to help manage the increased traffic due to the COVID-19 applications. As of Monday, August 17, the "forced caching" has been removed. The latest report from the SHA is that the system has returned to its normal response times.
- Last week DOIT met with Esri staff to discuss issues with data downloads from MD iMAP that unexpectedly and without explanation, stopped working. Esri explained that they were upgrading their internal environment. The latest upgrade is supposed to occur today. GIO is hopeful that many of the observed issues will be corrected with the Esri upgrade.

Subcommittee Updates

Training – *Lisa Lowe*

- ° nothing new to add

Centerlines – *Marshall Stevenson*

- ° Working with Baltimore County on Phase 2 of MDOT SHA roadway inventory reporting tool. MDOT SHA will then be working with other counties to conflate county roads into Roads and Highways. MDOT SHA is currently working to conflate local road centerline data to its roadway network and exploring the eventual utilization of the 1Spatial tool to automate data conflation on a recurring quarterly basis.
- ° Working with Andrew Bernish and TSO on bike route data to identify routes as linear events with route ID's aligned with Roads and Highways data for on and road separated bike routes. This will allow for the state-wide creation of a bicycle route level of stress. The Road Separated Bike Routes are already available in MD iMap.

Composite Locator – *Lisa Lowe*

° The 3rd quarter update is currently being processed. Esri deprecation of create address locator tool will require thoroughly testing of the creation of the locator in Pro. Some testing has already been completed with poor results. There may be a bug when creating the locator using the Create Locator tool in Pro 2.5. Esri was unable to resolve the issue.

Imagery – *Lisa Lowe*

° Production continues for the western shore. The counties will be able to view their imagery on Sanborn's QA web tool soon. The 2017 2019 map service has finished caching. If everything looks good after review, the service should be pushed to production within the next week or so. The image service is already on production.

Lidar – *John Lesko*

° Howard County Lidar data was delivered to DoIT last week. The data is being uploaded to the DOIT NAS devices for processing. ESRGC will begin processing the data as soon as it is available. DOIT has also copied the data to a couple of external drives (provided from sub-contractors to Howard County) and sent them to the contractors for additional processing.

DOIT is also working to acquire the Prince George's County Lidar to begin processing that data set.

Action Items

• None identified

Additional Business

• None identified